

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (PREVIOUSLY PRESENTED) A method for remotely activating an appliance, the appliance responding to an activation signal conforming to one of a plurality of radio frequency activation schemes, the method comprising:

positioning a sensor proximate to the appliance, whereby the sensor can determine whether or not the appliance is activated;

automatically transmitting a sequence of different activation signals, each activation signal in the sequence conforming to one of the plurality of radio frequency activation schemes;

receiving at least one signal from the sensor indicating appliance activation, wherein receiving at least one signal from the sensor indicating appliance activation comprises receiving a first sensor signal and a second sensor signal, the second sensor signal confirming appliance activation by one of the plurality of radio frequency activation schemes;

determining which of the plurality of radio frequency activation schemes resulted in transmitting an activation signal in the sequence of activation signals that activated the appliance based on the at least one received sensor signal;

associating data representing the determined activation scheme with a programmable remote control transmitter activation input;

rapidly transmitting the sequence of activation signals prior to receiving the first sensor signal; and

slowly transmitting at least a portion of the rapidly transmitted sequence of activation signals prior to receiving the second sensor signal.

2. (ORIGINAL) The method of claim 1 wherein at least one of the plurality of radio frequency activation schemes is a fixed code scheme and wherein transmitting the sequence of activation signals comprises transmitting an activation signal having each possible fixed code value.

3. (ORIGINAL) The method of claim 1 wherein the plurality of radio frequency activation schemes comprises a plurality of rolling code schemes and a plurality of fixed code schemes and wherein transmitting a sequence of activation signals comprises transmitting each activation signal based on a rolling code scheme before transmitting an activation signal based on a fixed code scheme.

4. (ORIGINAL) The method of claim 1 wherein receiving at least one signal from the sensor comprises receiving a radio frequency signal from a remote sensor.

5. (ORIGINAL) The method of claim 1 wherein the programmable remote control transmitter is installed in a motor vehicle and wherein receiving at least one signal from the sensor comprises receiving at least one signal from a vehicle-mounted sensor.

6-7. (CANCELLED)

8. (PREVIOUSLY PRESENTED) A method for remotely activating an appliance, the appliance responding to an activation signal conforming to one of a plurality of radio frequency activation schemes, the method comprising:

positioning a sensor proximate to the appliance, whereby the sensor can determine whether or not the appliance is activated;

automatically transmitting a sequence of different activation signals, each activation signal in the sequence conforming to one of the plurality of radio frequency activation schemes;

receiving at least one signal from the sensor indicating appliance activation;

determining which of the plurality of radio frequency activation schemes resulted in transmitting an activation signal in the sequence of activation signals that activated the appliance based on the at least one received sensor signal; and

associating data representing the determined activation scheme with a programmable remote control transmitter activation input;

wherein at least a portion of the sequence of activation signals has an order established by popularity of radio frequency activation schemes, whereby an average time until receiving the at least one sensor signal is decreased.

9. (ORIGINAL) The method of claim 1 wherein the appliance is a mechanical barrier mover and wherein the sensor is operative to sense motion of a mechanical barrier moved by the mover.

10. (ORIGINAL) The method of claim 1 wherein the appliance is a mechanical barrier mover and wherein the sensor is operative to sense position of a mechanical barrier moved by the mover.

11. (ORIGINAL) The method of claim 1 wherein the sensor is operative to sense light emitted by the appliance.

12. (ORIGINAL) The method of claim 1 wherein the sensor is operative to sense vibration emitted by the appliance.

13. (ORIGINAL) The method of claim 1 wherein the sensor is operative to sense electrical current drawn by the appliance.

14. (ORIGINAL) The method of claim 1 wherein positioning a sensor proximate to the appliance comprises positioning a motor vehicle.

15. (PREVIOUSLY PRESENTED) A system for operating a remotely controlled appliance, the appliance responding to a radio frequency activation signal exhibiting characteristics of one of a plurality of activation schemes, the system comprising:

a sensor operative to generate first and second sensor signals in response to the appliance being activated;

a transmitter operative to transmit radio frequency activation signals, each transmitted activation signal based on one of the plurality of activation schemes;

memory operative to hold data representing one of the plurality of activation schemes; and

control logic in communication with the sensor, the transmitter, and the memory, the control logic controlling the transmitter to transmit a sequence of different activation signals, each activation signal in the sequence based on one of the plurality of activation schemes, the control logic storing data into the memory based on receiving the at least one sensor signal, the data indicating one of the plurality of activation schemes which activated the appliance;

wherein the control logic is operative to:

rapidly transmit the sequence of activation signals prior to receiving the first sensor signal; and

slowly transmit at least a portion of the rapidly transmitted sequence of activation signals prior to receiving the second sensor signal.

16. (ORIGINAL) The system of claim 15 further comprising a user activation input, the control logic controlling the transmitter to transmit an activation signal having characteristics represented by the activation scheme stored in the memory upon an assertion of the user activation input.

17. (ORIGINAL) The system of claim 15 wherein at least one of the plurality of activation schemes is a fixed code scheme and wherein the transmitter is controlled to generate each activations signal in at least a portion of the sequence of activation signals exhibiting a different possible fixed code value.

18. (ORIGINAL) The system of claim 15 wherein the plurality of activation schemes comprises a plurality of rolling code schemes and a plurality of fixed code schemes and wherein the transmitter is controlled to transmit each of the rolling code schemes before transmitting any of the fixed code schemes.

19. (ORIGINAL) The system of claim 15 further comprising a sensor transmitter for transmitting at least one radio frequency signal based on the at least one sensor signal.

20. (ORIGINAL) The system of claim 15 wherein the sensor is installed in a motor vehicle.

21-22. (CANCELLED)

23. (CURRENTLY AMENDED) A system for operating a remotely controlled appliance, the appliance responding to a radio frequency activation signal exhibiting characteristics of one of a plurality of activation schemes, the system comprising:

a sensor operative to generate at least one sensor signal in response to activation of the appliance;

a transmitter operative to transmit radio frequency activation signals, each transmitted activation signal based on one of the plurality of activation schemes;

memory operative to hold data representing one of the plurality of activation schemes; and

control logic in communication with the sensor, the transmitter, and the memory, the control logic controlling the transmitter to transmit a sequence of different activation signals, each activation signal in the sequence based on one of the plurality of activation schemes, the control logic storing data into the memory based on receiving the at least one sensor signal, the data indicating one of the plurality of activation schemes which activated the appliance;

wherein the control logic controls the transmitter to transmit at least a portion of the sequence of activation signals in an order based on popularity of radio frequency activation schemes, whereby an average time until the appliance is activated is decreased.

24. (ORIGINAL) The system of claim 15 wherein the appliance is a mechanical barrier mover and wherein the sensor senses motion of a mechanical barrier moved by the mover.

25. (ORIGINAL) The system of claim 15 wherein the appliance is a mechanical barrier mover and wherein the sensor senses position of a mechanical barrier moved by the mover.

26. (ORIGINAL) The system of claim 15 wherein the sensor senses light emitted by the appliance.

27. (ORIGINAL) The system of claim 15 wherein the sensor senses vibration emitted by the appliance.

28. (ORIGINAL) The system of claim 15 wherein the sensor senses electrical current drawn by the appliance.

29-33. (CANCELLED)